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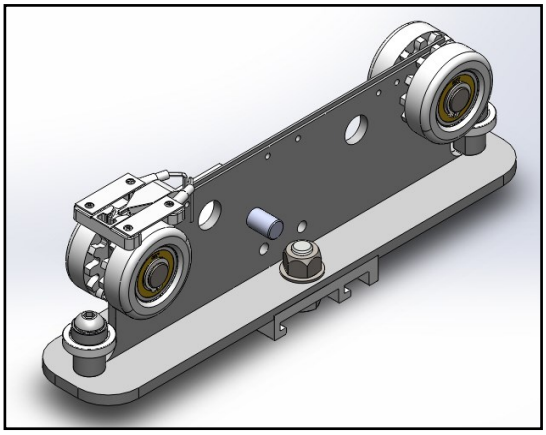
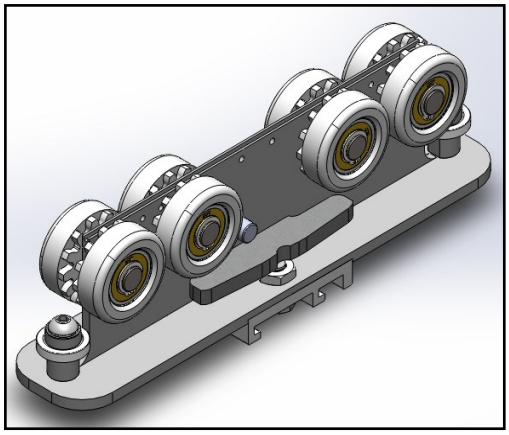
We move body and mind

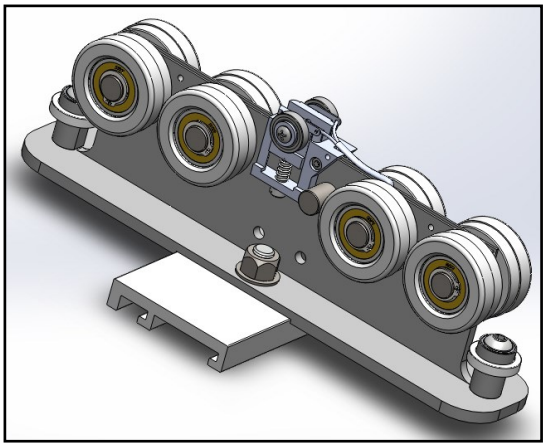
XY GANTRY SYSTEM TROLLEY

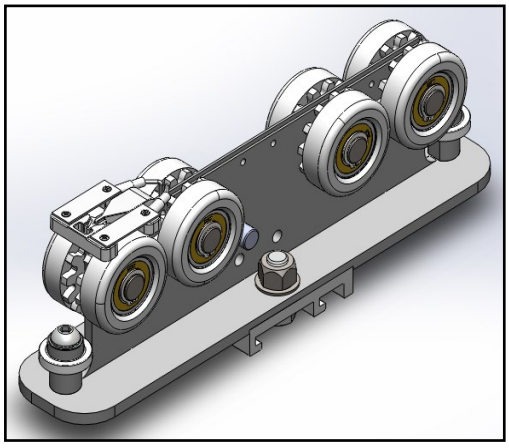
PART NOS.:

363930, 363930C, 363930CH, 363930G, 363930J, 363930TP









User Manual

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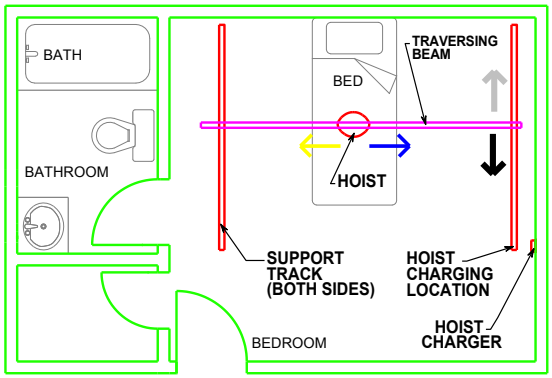
XY Gantry System:

The XY Gantry System consists of a traversing beam that is suspended below two tracks that are installed parallel to one another. The most important rule when installing a XY Gantry System that the support tracks must be installed parallel to one another. Example of layout are shown below.



XY Gantry Trolley on Track Installations:

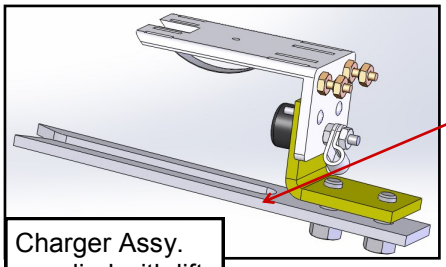
1. XY Gantry Trolley Installation to be performed as per the XY Gantry Function Check list shown below.

Type of Applications	450 lbs.		625 lbs.		800 lbs.		1000 lbs.	
	Traverse/ Moving Track	Recommended Span - Traversing Track	Traverse/ Moving Track	Recommended Span - Traversing Track	Traverse/ Moving Track	Recommended Span - Traversing Track	Traverse/ Moving Track	Recommended Span - Traversing Track
XY Manual (363930)	Regular Track	86 inches	Regular Track	66 inches	-	-	-	-
	Super Track	140 inches	Super Track	118 inches				
	Track Plus	248 inches	Track Plus	210 inches				
XY Constant Charge (363930C)	Regular Track	86 inches	Regular Track	66 inches	-	-	-	-
	Super Track	140 inches	Super Track	118 inches				
	Track Plus	248 inches	Track Plus	210 inches				
XY Constant Charge (363930CH)	Regular Track	86 inches	Regular Track	66 inches	Regular Track	56 inches	Regular Track	44 inches
	Super Track	140 inches	Super Track	118 inches	Super Track	**96 inches**	Super Track	**Not Recommended**
	Track Plus	248 inches	Track Plus	210 inches	Track Plus	186 inches	Track Plus	166 inches
XY Curtain Jumping (363930J)	Regular Track	86 inches	Regular Track	66 inches	Regular Track	56 inches	Regular Track	44 inches
	Super Track	140 inches	Super Track	118 inches	**Super Track**	**96 inches**	**Super Track**	**Not Recommended**
	Track Plus	248 inches	Track Plus	210 inches	Track Plus	186 inches	Track Plus	166 inches
XY TP (363930TP)	Regular Track	86 inches	Regular Track	66 inches	-	-	-	-
	Super Track	140 inches	Super Track	118 inches				
	Track Plus	248 inches	Track Plus	210 inches				
XY Transition Gate (363930G)	Regular Track	86 inches	Regular Track	66 inches	Regular Track	56 inches	Regular Track	44 inches
	Super Track *	**140 inches**	**Super Track ***	**118 inches**	**Super Track ***	**96 inches**	**Super Track**	**Not Recommended**
	Track Plus	248 inches	Track Plus	210 inches	Track Plus	186 inches	Track Plus	166 inches

*** XY Transition Gate: Super Track can be used as a traversing/moving track with regular Track or Track Plus as a parallel tracks. Super track can not be used as parallel track in XY Transition Gate Application.**

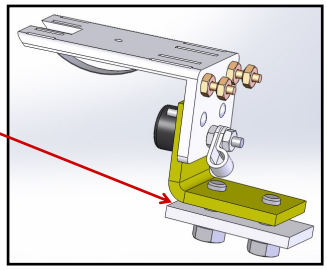
XY Gantry Trolley on Track Installations:

1. Replace the finger guard from Charger End Stop assembly (mounted into the Parallel Track) with Track End stop Plate (supplied with XY Trolley) as shown in figures below.

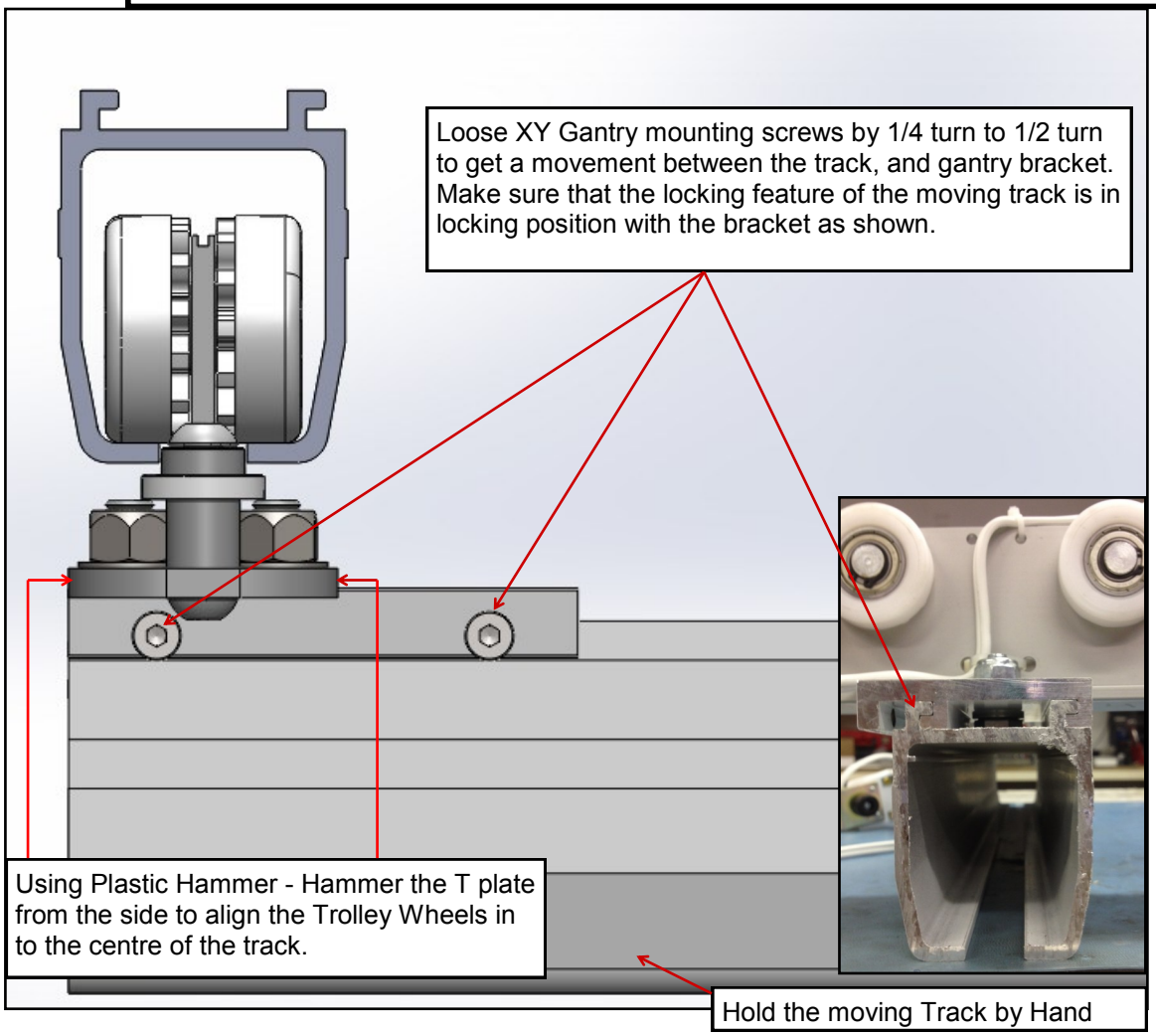


Charger Assy. supplied with lift

Replace Finger Guard of Charger End Stop from the Charger Assembly (Supplied with Lift) with White Track End Stop Plate (Supplied with XY Trolley).



2. **CAUTION:**
After the installation of XY gantry Trolley in to the XY System, Check that trolley wheels are perfectly in centre into the parallel track as shown in figure below. If they are not in centre, then trolley wheels will be binding/scraping with the inside surface of the parallel track. See the figure below for adjustment of Trolley Wheels into the centre of the Track.


Loose XY Gantry mounting screws by 1/4 turn to 1/2 turn to get a movement between the track, and gantry bracket. Make sure that the locking feature of the moving track is in locking position with the bracket as shown.
Using Plastic Hammer - Hammer the T plate from the side to align the Trolley Wheels in to the centre of the track.
Hold the moving Track by Hand

XY Gantry Trolley on Track Installations:

3. After the installation of H system, make sure that 360449 - 6 inch Ceiling Bracket Strip is properly installed between the screws of Trolley bracket. Refer to Technical Bulletin “360449-6” Ceiling Bracket” dated March 02, 2011 for more information.

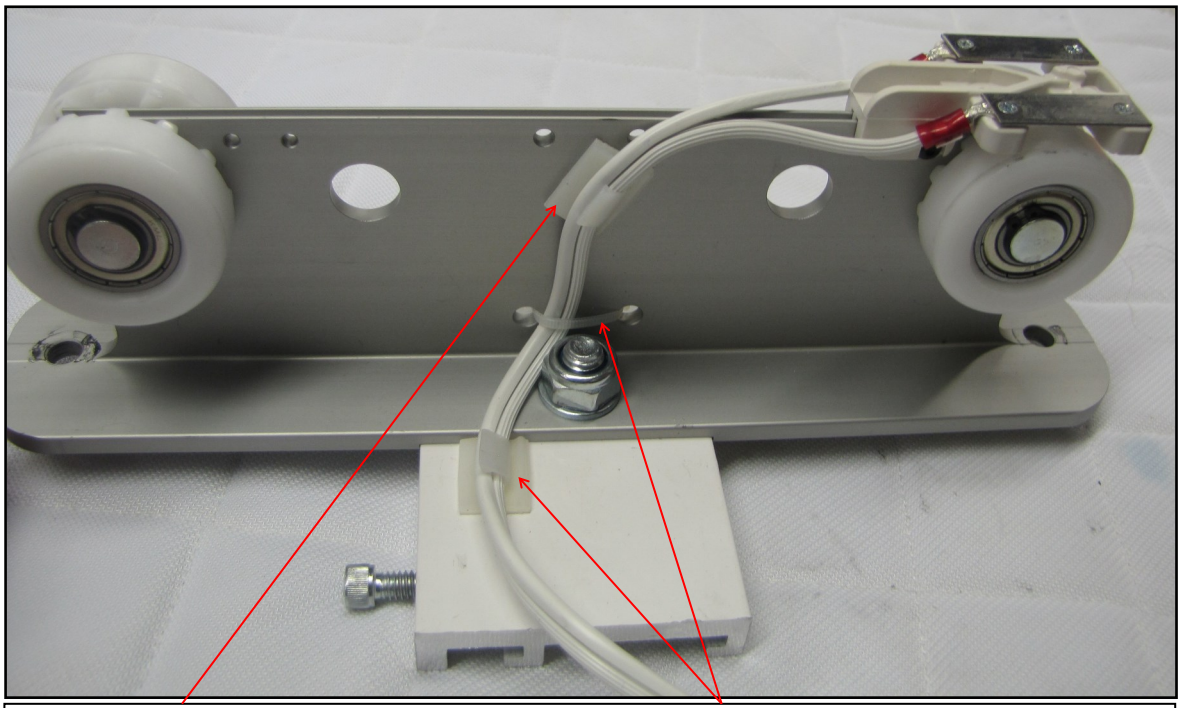
4. **CAUTION:** XY Gantry Trolley (363930J/363930CH) can be used with Super Track as a moving track/Boom for max. Safe working load of 800 lbs., and for 8 feet of max. span of moving track/Boom.

5. Route the wire using Wire Clip, and Cable ties supplied along with XY Gantry Trolley.

CAUTION: Make sure that wires are not touching to the Trolley Wheels specially in case of four wheels XY Gantry.

Examples of routing the wires as shown below.

363930 - XY Gantry Trolley (2 Wheels)

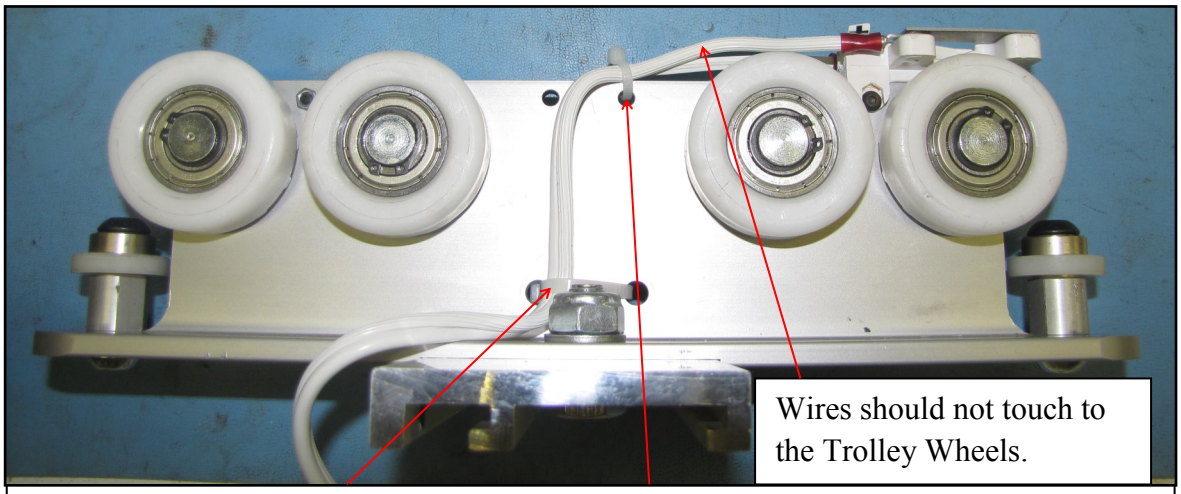


Route the wire using two Wire Clip, and cable ties as shown above

XY Gantry Trolley on Track Installations:

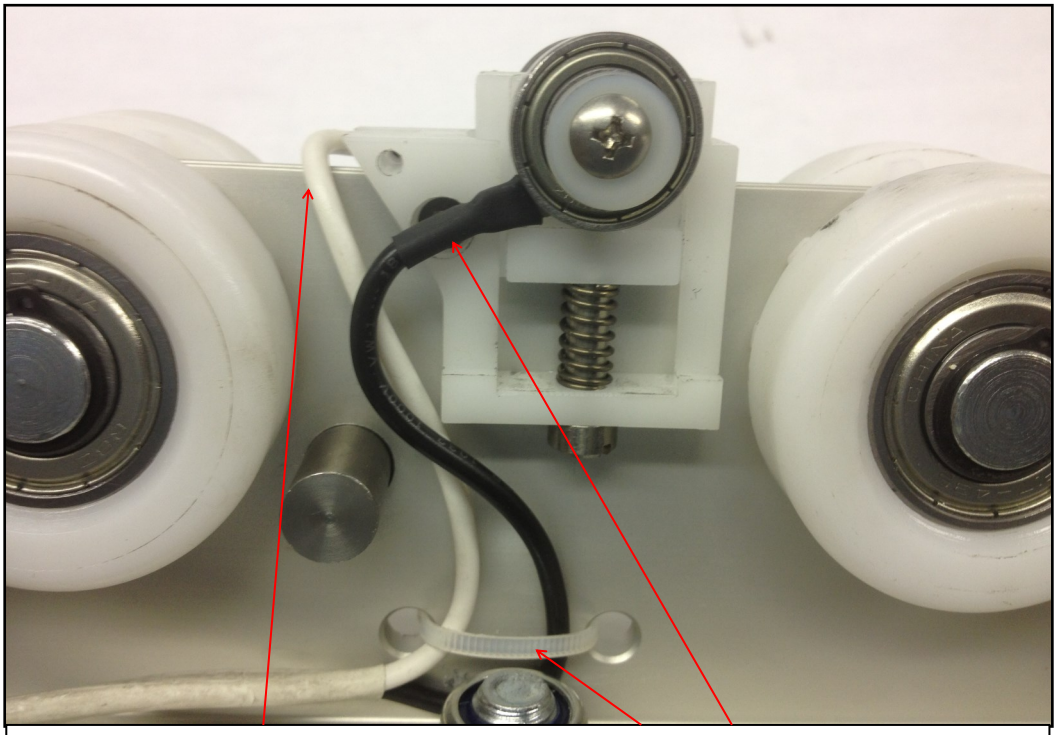
Examples of routing the wires as shown below.

363930J - XY Gantry Trolley - Curtain Jumping (4 Wheels)



Route the wire using two Wire Clip, and cable ties as shown above

363930C - XY Gantry Trolley - Constant Charge (2 Wheels)



Route the Wires as shown and tight them using the cable tie.

FOLLOW NEXT PAGE FOR USER INSTRUCTIONS

XY Gantry Trolley - User Instructions:

1.

CAUTION: Make sure that XY Gantry Trolley with 2 Wheel set (363930/363930TP) is used only for max. safe working load of 625 lbs. and XY Gantry Trolley with 4 Wheel set (363930J/363930G/363930CH) is used for max. safe working load of 800 lbs. and 1000 lbs.

2.

CAUTION: When the lift is to be moved along the XY Gantry System, make sure that the Moving track is perpendicular to the Parallel Tracks. If The moving Track is not perpendicular, it will be more difficult to move the XY Gantry Trolley as the trolley wheels will be binding/scraping with the inside surface of the parallel track, and Guide Wheels will be touching the opening of the track..

3. For Manual Lift, hold the Carry bar to transfer the lift along the H system.

4. After using XY Gantry System, and lift, move the XY gantry Trolley to its Charging End Stop for charging the lift for all the times.

5.

CAUTION: Always Traverse the lift in moving track between the XY Gantry Trolleys. Traversing with load on overhang side of the moving track is not permissible.

6. Curtain Jumping Trolley (363930J) - At 1000 lbs. load traversing of XY Gantry Trolley to be performed while the lift is at a distance of 3 to 4 feet as far as possible.

CAUTION: If you feel any resistance while moving through the curtain jumping gap especially when the XY Gantry Trolley accidentally stops in the curtain jumping gap, in such a case, bring back the lift, then apply little more force to travel through curtain jumping gap.

7.

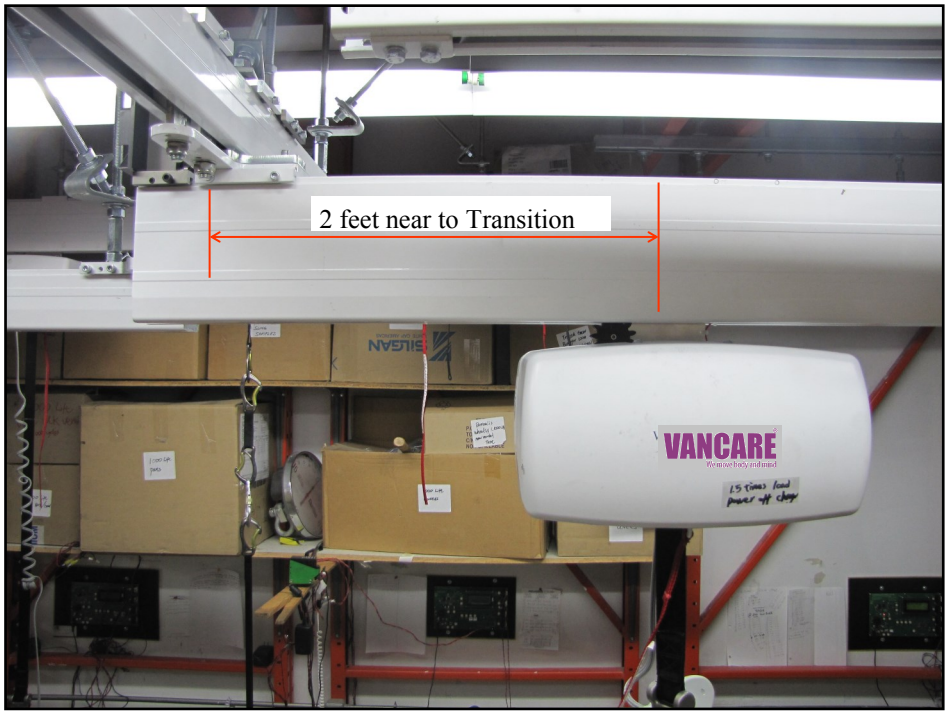
CAUTION: Constant Charge XY Gantry Trolley (363930C, 363930CH) - Make sure the polarity connection between XY Gantry Constant charger , and the Transtrip track for continuous charging of the lift.

8. Transition Gate XY Gantry Trolley (363930G) - Engagement/disengagement of transition gate to be performed near to the transition gate area.
Pl. see the next pages for step by step guide of Transition Gate.

XY Gantry Trolley - User Instructions:

Transition Gate XY Gantry Trolley (363930G) - Step by Step Guide

1. **CAUTION:** When the lift is to be transferred using the transition gate, move the lift approximately 2 feet near to transition area on the traversing track before engaging the transition gate and lining up the tracks as shown in figure below.



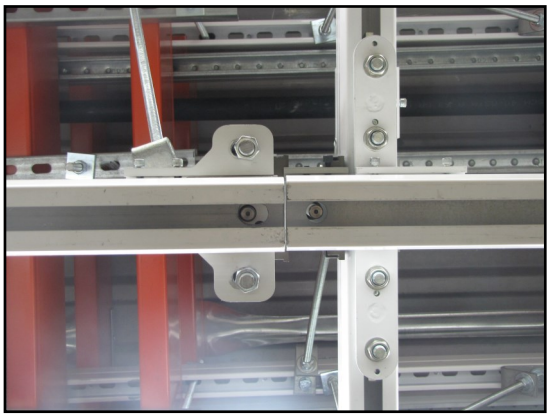
2. Move the traversing track with lift until the traversing track lines up with the fixed track as shown in figure below.

CAUTION: Do not try to align the tracks with the lift positioned at the end of the traversing track.

XY Gantry Trolley - User Instructions:

Transition Gate XY Gantry Trolley (363930G) - Step by Step Guide

3. Both track lined up and the transition gate unlocked– ready for the lift to pass through the transition area as shown in the figure below. View from underneath



4. The lift can be moved through the transition gate onto the fixed track as shown in figure below.